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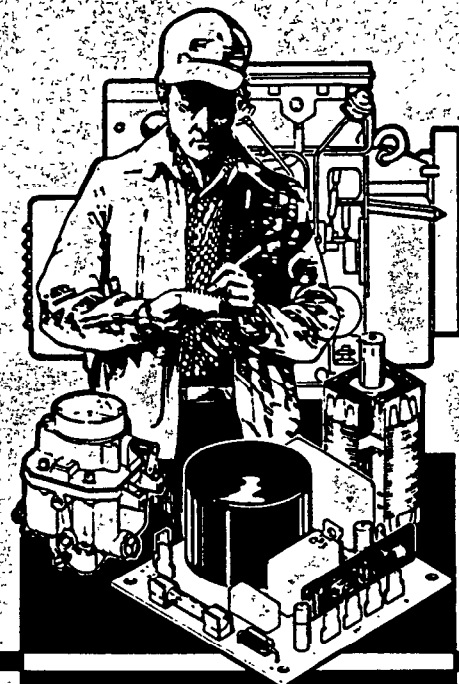
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# Onan

## Parts Manual

### LT

## Transfer Switches



LTII/LT/26K

Onan Service Parts

913-0201  
5-87 (Spec G-H)  
Replaces 7-85 (Spec G)  
Printed in U.S.A.

## SAFETY PRECAUTIONS

The following symbols are used in Onan manuals to alert users to the potentially dangerous conditions relating to maintenance of the equipment and replacement of parts. Please read and observe.

**⚠ DANGER** *This symbol warns of immediate hazards which will result in severe personal injury or death.*

**⚠ WARNING** *This symbol refers to a hazard or unsafe practice which can result in severe personal injury or death.*

**⚠ CAUTION** *This symbol refers to a hazard or unsafe practice which can result in personal injury or product or property damage.*

## MODEL IDENTIFICATION

To avoid errors or delay in filling your parts order, always give the MODEL, SPEC NO., and SERIAL NO. from the Onan nameplate.

For handy reference, insert your nameplate information in the spaces below.

MODEL AND SPEC NO. \_\_\_\_\_

SERIAL NO. \_\_\_\_\_

## PRODUCT SAFETY PRECAUTIONS

### ⚠ WARNING

**Contact with USED ENGINE OILS has been identified by a United States federal agency and some USA state agencies as causing CANCER or REPRODUCTIVE TOXICITY. When checking or changing engine oils take all necessary precautions not to ingest, breathe the fumes or contact the used oil.**

### ⚠ WARNING

**Contact with ASBESTOS has been identified by a United States federal agency and some USA state agencies as causing CANCER or REPRODUCTIVE TOXICITY. When handling engine gaskets take all necessary precautions not to ingest, breathe or contact the dust from the gaskets! Use adequate ventilation and wear protective gloves, masks and clothing!**

### ⚠ WARNING

**Contact with BENZINE and LEAD, found in gasoline, fuel additives and solvents has been identified by a United States federal agency and some USA agencies as causing CANCER or REPRODUCTIVE TOXICITY. When checking, draining or adding gasoline and fuel additives, or using solvents take all necessary precautions not to ingest, breathe the fumes, or contact the liquids. Use adequate ventilation and wear protective gloves, masks and clothing!**

**Supplement:** 913-2000  
**Date:** 8-93  
**Insert With-**  
**Title:** LT Parts Manual  
**Number:** 913-0201

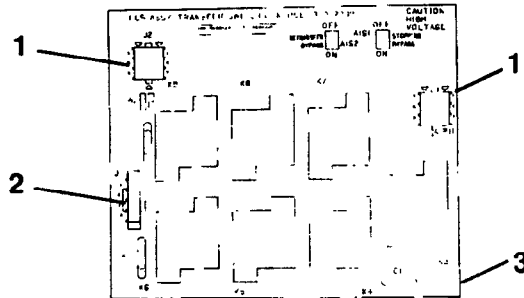
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This Parts supplement pertains to a change in the Transfer Switch Control Printed Circuit Board which occurred in June, 1991. It replaces page 8 of the LT (Spec G-H) Parts Manual.

The PC board 300-2939 has been replaced with PC board 300-4072. If the older board (300-2939) is ordered, the customer will receive a kit (300-4076) to upgrade to the new board (300-4072).

When ordering K6 or K7 relays, check the board number on which they are to be used.

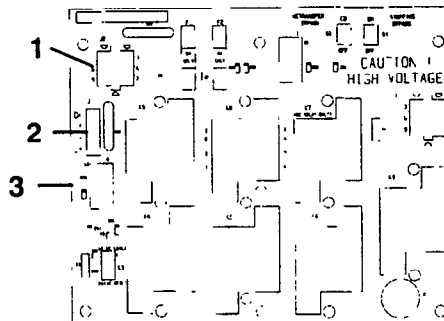
## Control Group (300-2939 Board)



REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
			Relay				Sensor, Line side (K6)
			Start (K3)				Phase
307-1127		1	Instant	307-1127		1	Voltage
307-2538		1	Time Delay	307-2543		1	3 Phase
307-2539		1	Retransfer -Time Delay (K4)	307-2542		1	1 Phase
307-2541		1	Stop After Retransfer - Time	307-2542		1	Sensor, 1 Phase, Gen side (K9)
			Delay (K5)	1 323-1261		2	Housing, Socket - 9 Pin
307-1127		1	Transfer to Line - Instant (K7)	2 323-1260		1	Housing, Socket - 4 Pin
			Transfer (K8)	3 300-4076		1	* Board, PC - Control
307-1127		1	Instant				
307-2540		1	Time Delay				

\* - When ordering PC Board, customer will receive kit 300-4076 to convert to new style board 300-4072

## Control Group (300-4072 Board)



REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
			Relay				Sensor, Line side (K6)
			Start (K3)				Phase
307-1127		1	Instant	307-2784		1	Voltage
307-2538		1	Time Delay	307-2543		1	3 Phase
307-2539		1	Retransfer -Time Delay (K4)	307-2542		1	1 Phase
307-2541		1	Stop After Retransfer - Time	307-2542		1	Sensor, 1 Phase, Gen side (K9)
			Delay (K5)	1 323-1261		2	Housing, Socket - 9 Pin
307-2784		1	Transfer to Line - Instant (K7)	2 323-1260		1	Housing, Socket - 4 Pin
			Transfer (K8)	3 300-4072		1	Board, PC - Control
307-1127		1	Instant				
307-2540		1	Time Delay				

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## Introduction

This catalog applies to the LT Spec G-H Transfer Switches as indicated below and on the next page. Each illustrated part is identified by a reference number corresponding to the same reference number in the parts list for that group. Parts illustrations are typical. Using the MODEL and SPEC NUMBER from the switch box nameplate, select the parts that apply to your automatic transfer switch. Unless otherwise mentioned in the description, parts are interchangeable between models.

### Model Selection Table

#### Specification G

LT

LT - Designates Transfer Switch Series

Transfer Switch Code	B	G	L
3 Pole Electrically Held	X		
3 Pole Mechanically Held (Line Side)		X	
3 Pole Mechanically Held (Both Sides)			X

Control Code	C	E
2-Wire Start	X	
3-Wire Start		X

Cabinet Code	A
General Purpose (Nema 1)	X

Amperage
30, 60, 100, 200

Voltage Code
1 120 1 Phase
38 347, 380, 416 3 Phase
39 208, 240, 480 3 Phase
240 1 Phase
9X 347/600 3 Phase

Standard Code	U	C	N
UL Approved	X		
CSA Approved		X	
None			X

Control Group (Relays)	260	261	262	263	264	265	266
Start (Instant)	K3	K3					
Start (Time Delay)			K3	K3	K3	K3	K3
Retransfer (Time Delay)		K4	K4	K4	K4	K4	K4
Stop After Retransfer (Time Delay)			K5	K5	K5	K5	K5
Phase Sensor	K6	K6	K6	K6	K6		
Voltage Sensor (3 Phase)						K6	
Voltage Sensor (1 Phase)							K6
Transfer To Line (Instant)	K7	K7	K7	K7	K7	K7	K7
Transfer	K8	K8	K8	K8			
Transfer (Time Delay)					K8	K8	K8

Meter Group	02	03	04	05
Lights (Norm & Emer)	X	X	X	X
Running Time Meter	X	X	X	X
Voltmeter	X	X		
Frequency Meter		X		X
Ammeter		X		

Spec. Letter G

# **Model Selection Table (Cont)**

**Specification H**

LT

LT - Designates Transfer Switch Series

Control Code	C	E
2-Wire Start	X	
3-Wire Start		X

Standard Code	U	C	N
UL Approved	X		
CSA Approved		X	
None			X

Amperage
30, 60, 100, 200

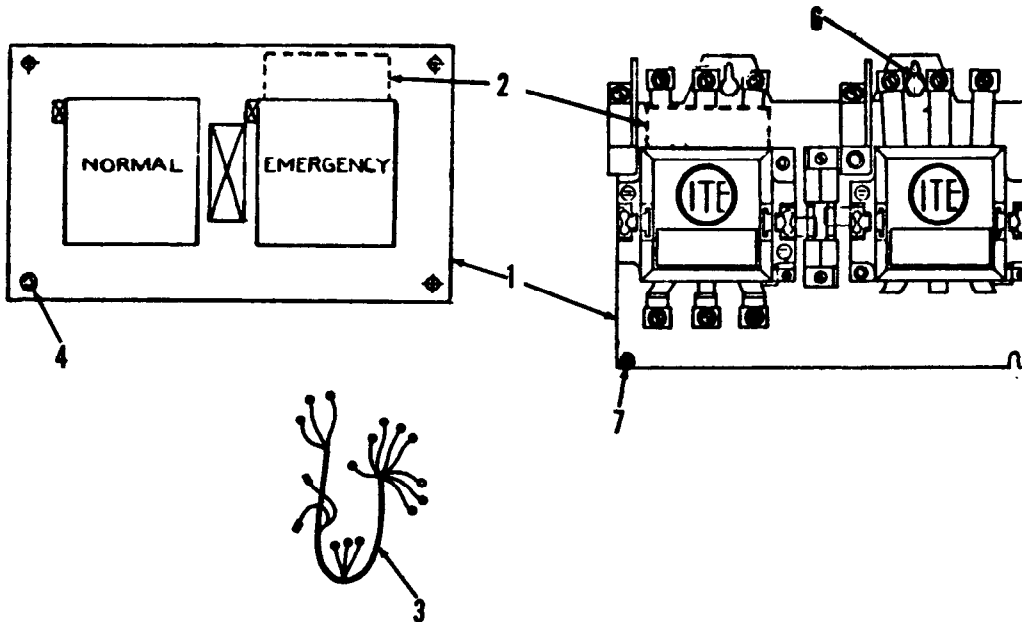
Voltage Code	
A	120 Volt, 60 Hertz
H	347/600 Volt, 3 Phase, 4 Wire, 60 Hertz
L	120/208 Volt, 3 Phase, 4 Wire, 60 Hertz
	240 Volt, 1 Phase, 3 Wire, 60 Hertz
	240 Volt, 3 Phase, 4 Wire, 60 Hertz
	480 Volt, 3 Phase, 4 Wire, 60 Hertz
Z	200/347 Volt, 3 Phase, 4 Wire, 50 Hertz
	220/380 Volt, 3 Phase, 4 Wire, 50 Hertz
	240/416 Volt, 3 Phase, 4 Wire, 50 Hertz

Spec Number

Spec. Letter H



# Transfer Switch



REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1			Switch, Transfer
	307-2254	1	60 Hertz
	307-2282	1	30 Amp
	307-2412	1	60 Amp
	307-2438	1	100 Amp
			200 Amp
	307-2261	1	50 Hertz
	307-2289	1	30 Amp
	307-2408	1	60 Amp
	307-2444	1	100 Amp
			200 Amp
2	307-2545	1	Latch, Mechanical
3			Harness, Cabinet - Main
			30 And 60 Amp
	338-1944	1	120 Volts
	338-1939	1	208, 240, 347, 380, 416, 480, 600 Volts

REF NO.	PART NO.	QTY USED	PART DESCRIPTION
			100 And 200 Amp
	338-1926	1	120 Volts
	338-1875	1	208, 240, 347, 380, 416, 480, 600 Volts
4	870-0281	4	Nut, Lock - Flanged
6	870-0240	2	Nut, Lock (#10 - 32)
7	821-0004	8	Screw, Lock - Flanged (#10 - 32 x 5/16")
8	821-0008	6	Screw, Lock - Flanged (1/4 - 20 x 3/8")

## Transfer Switch Service Parts Table

Transfer Switch Number	Mechanical Latch *	Inter- Locking Contact **	Auxiliary Contact ***	Power Pole Kit ****	Main Coil
307-2254	307-2545	307-2239	307-2544	307-2389	307-2206
307-2261	307-2545	307-2239	307-2544	307-2389	307-2209
307-2282	307-2545	307-2239	307-2544	307-2390	307-2220
307-2289	307-2545	307-2239	307-2544	307-2390	307-2221
307-2412	307-2545	307-2239	307-2544	307-2391	307-2458
307-2408	307-2545	307-2239	307-2544	307-2391	307-2459
307-2438	307-2545	307-2239	307-2544	307-2392	307-2448
307-2444	307-2545	307-2239	307-2544	307-2392	307-2449

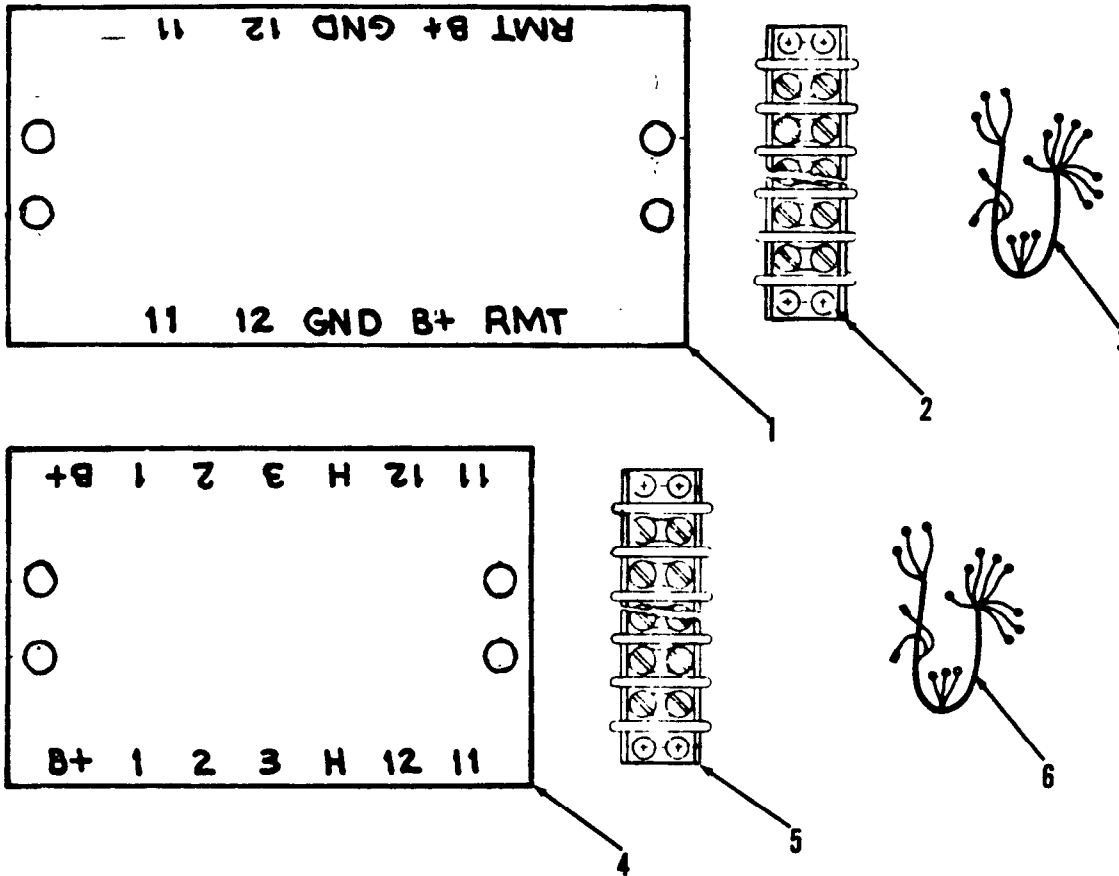
\* Mechanical Latch does not come with Transfer Switch.

\*\* Electric Interlock Contacts are located on the upper left hand corner of each Transfer Switch half.

\*\*\* Auxiliary Contacts are located on the upper right hand corner of each Transfer Switch half.

\*\*\*\* Power Pole Kits contain 3 movable contacts and 6 stationary contacts.

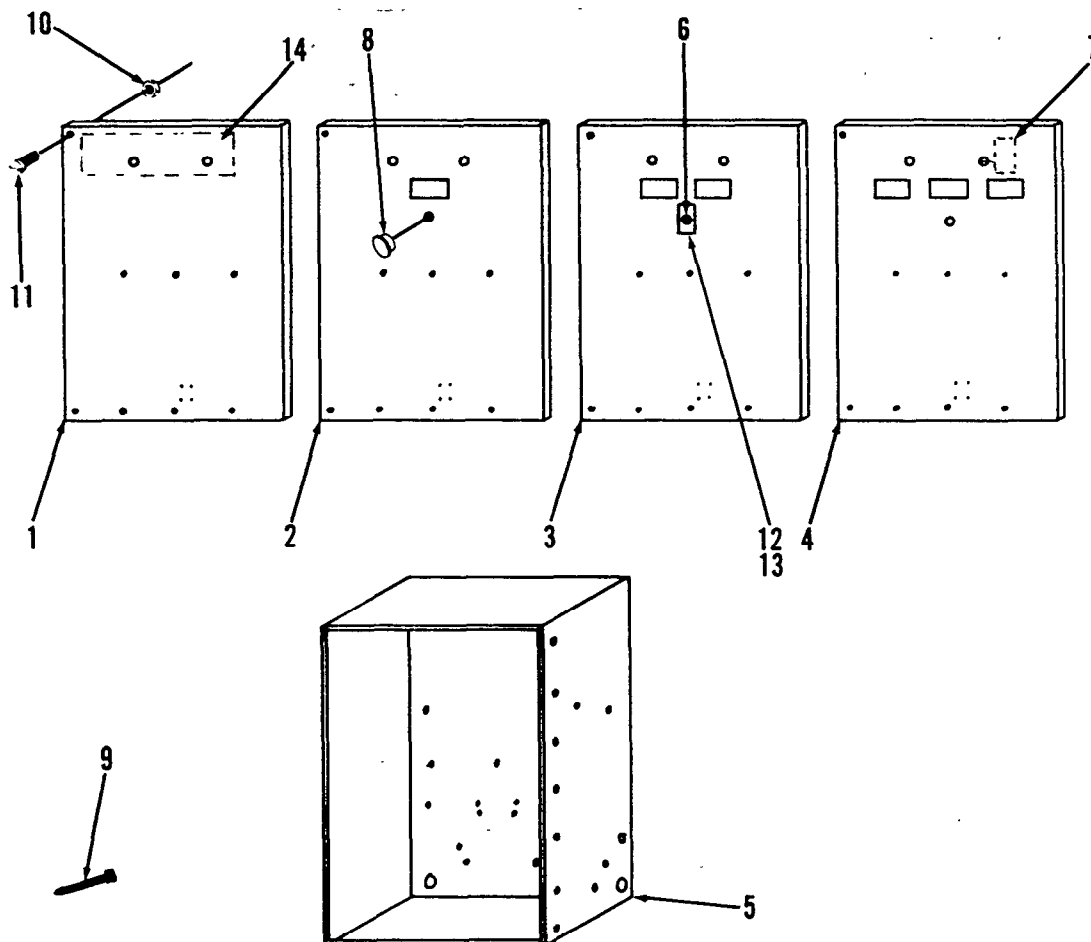
# Control Code



REF NO.	PART NO.	QTY USED	PART DESCRIPTION
2-Wire Start			
1	332-2761	1	Strip, Marker
2	332-0604	1	Block, Terminal
3	338-1882	1	Harness, Wiring - Cabinet (Includes Terminal Block)

REF NO.	PART NO.	QTY USED	PART DESCRIPTION
3-Wire Start			
4	332-2760	1	Strip, Marker
5	332-2025	1	Block, Terminal
6	338-1973	1	Harness, Wiring - Cabinet (Includes Terminal Block)

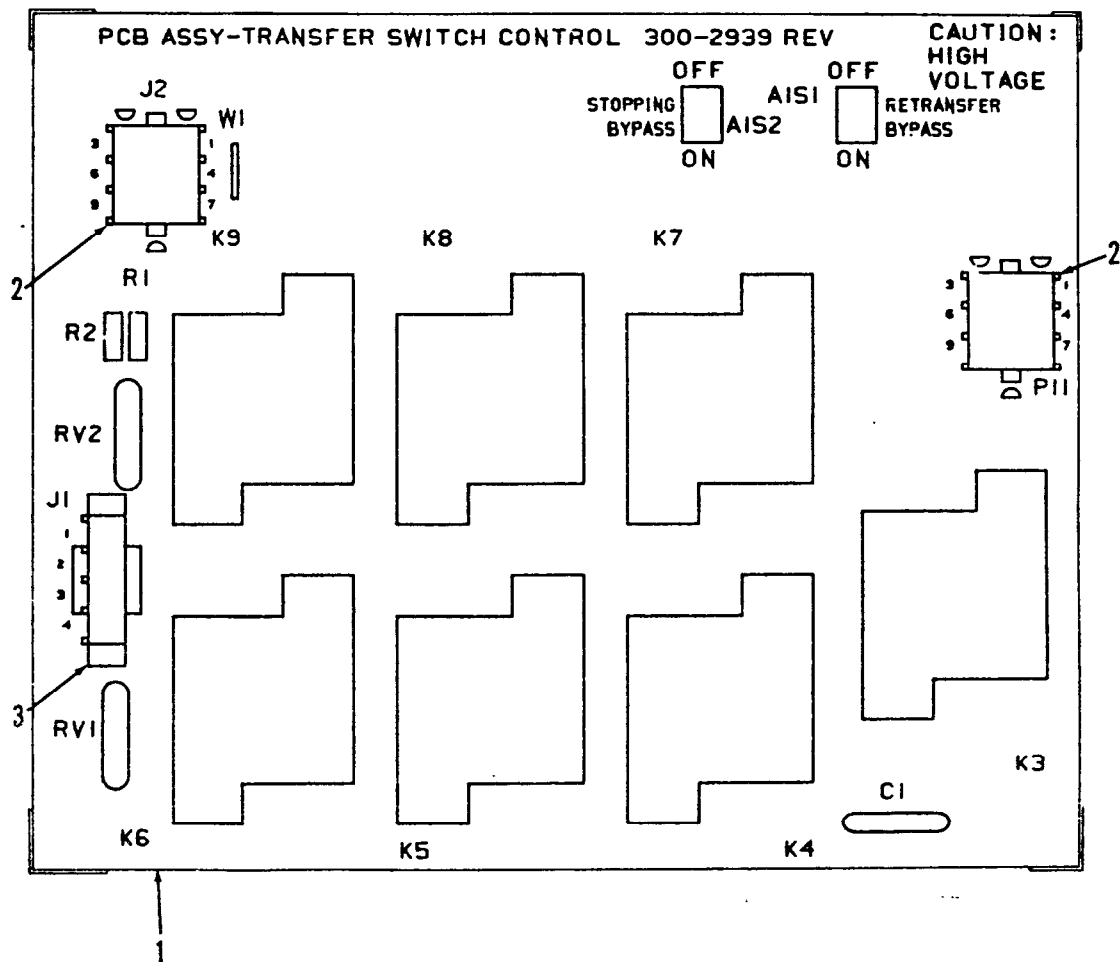
# Cabinet



REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	301-8954-01	1	*Door Assembly	8	517-0150	1	Plug, Hole
2	301-8954-02	1	*Door Assembly	9	332-0942	1	Tie, Cable
3	301-8954-03	1	*Door Assembly	10	518-0438	2	Retainer, Screw
4	301-8954-04	1	*Door Assembly	11	815-0574	2	Screw, Door - Quick Open
5	301-9072	1	Box, Control	12	301-8754	1	Bracket, Mounting - Switch
6	308-0670	1	Switch, Rotary - Volt/Amp	13	98-5156	1	Label, Switch
7	98-5433	1	Label, Volt	14	98-5348	1	Label, Door

\* Includes Hinge and Door Label.

# Control Group



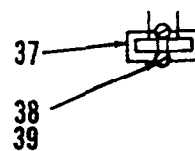
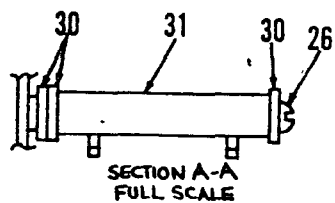
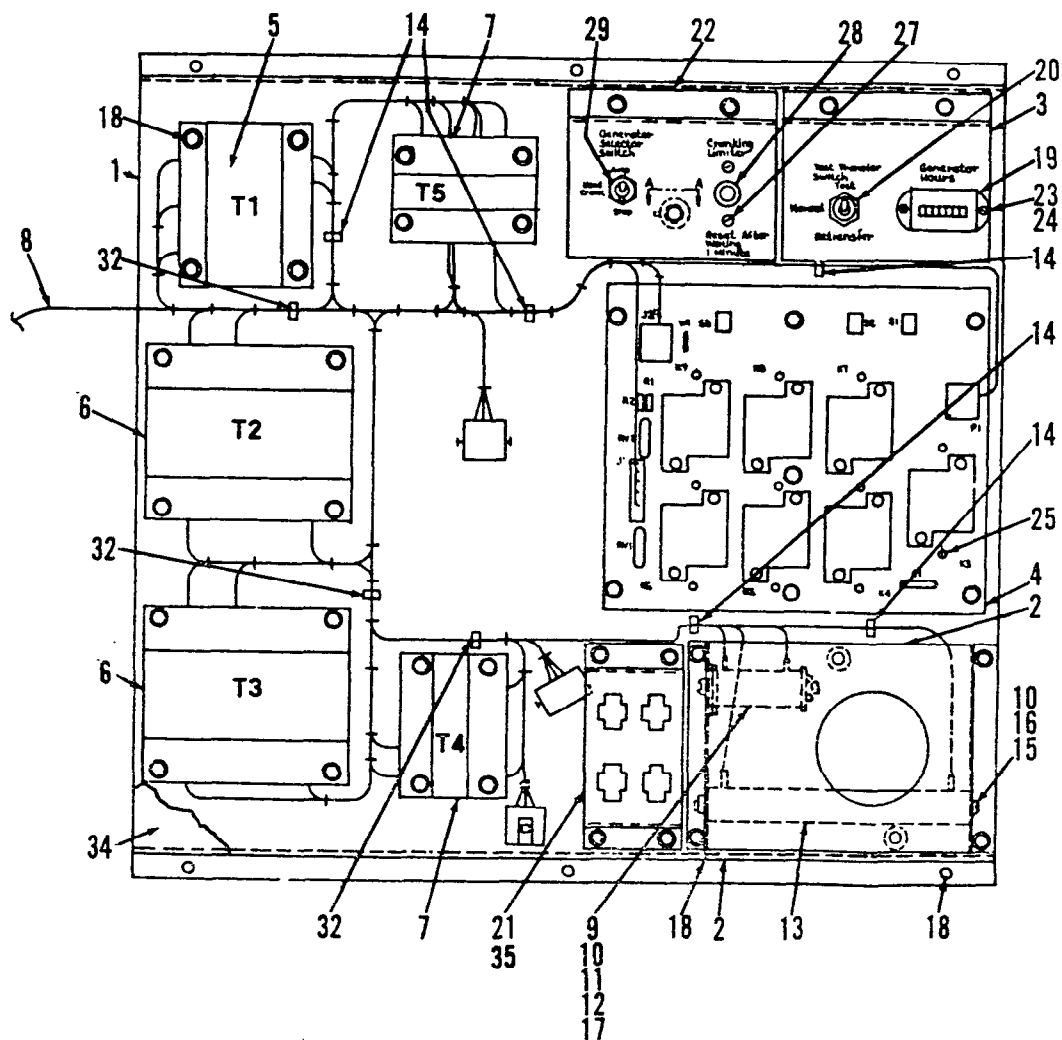
REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
			Relay				Sensor
	307-1127	1	Start (K3)		307-1127	1	Phase (K6)
	307-2538	1	Instant				Voltage
	307-2399	1	Time Delay		307-2543	1	3 Phase (K6)
	307-2541	1	Retransfer - Time Delay (K4)		307-2542	1	1 Phase (K6)
			Stop After Retransfer -		307-2542	1	(K9)
	307-1127	1	Time Delay (K5)	1	300-2939	1	Board, Circuit - Printed
			Transfer To Line - Instant				(Includes Parts Marked *).
			(K7)				(Excludes Relays)
	307-1127	1	Transfer (K8)	2	323-1261	2	*Housing, Socket - 9 Pin
			Instant	3	323-1260	1	*Housing, Socket - 4 Pin
	307-2401	1	Time Delay				

\* Parts included in 300-2939 Printed Circuit Board.

## Meter Group

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
	322-0382-01	1	Lamp		338-1878	1	Harness, Wiring
	322-0382-02	1	Emergency (Red)				Freqmeter
			Normal (Green)				Voltmeter
			Meter		338-1928	1	120 Volt
			Volt		338-1877	1	208, 240, 347, 380, 416, 480, 600 Volt
	302-1692	1	0-150 Scale				Voltmeter/Ammeter/Freqmeter
	302-1812	1	0-434/475/520 Scale		338-1929	1	120 Volt
	302-1746	1	0-260/300/600 Scale		338-1879	1	208, 240, 347, 380, 416, 480, 600 Volt
	302-1710	1	0-750 Scale				Transformer
			Frequency		338-1927	1	120 Volt
	302-1743	1	60 Hertz		338-1876	1	208, 240, 347, 380, 416, 480, 600
	302-1720	1	50 Hertz				
	302-1167	1	Time - Running				
			Ampere				
	302-1677	1	30 Amp				
	302-1678	1	60 Amp				
	302-1744	1	100 Amp				
	302-1745	1	200 Amp				
			Transformer, Current - Ammeter				
	302-0123	3	30 Amp				
	302-0076	3	60 Amp				
	302-1321	3	100 Amp				
	302-1393	3	200 Amp				

# Control Plate Assembly



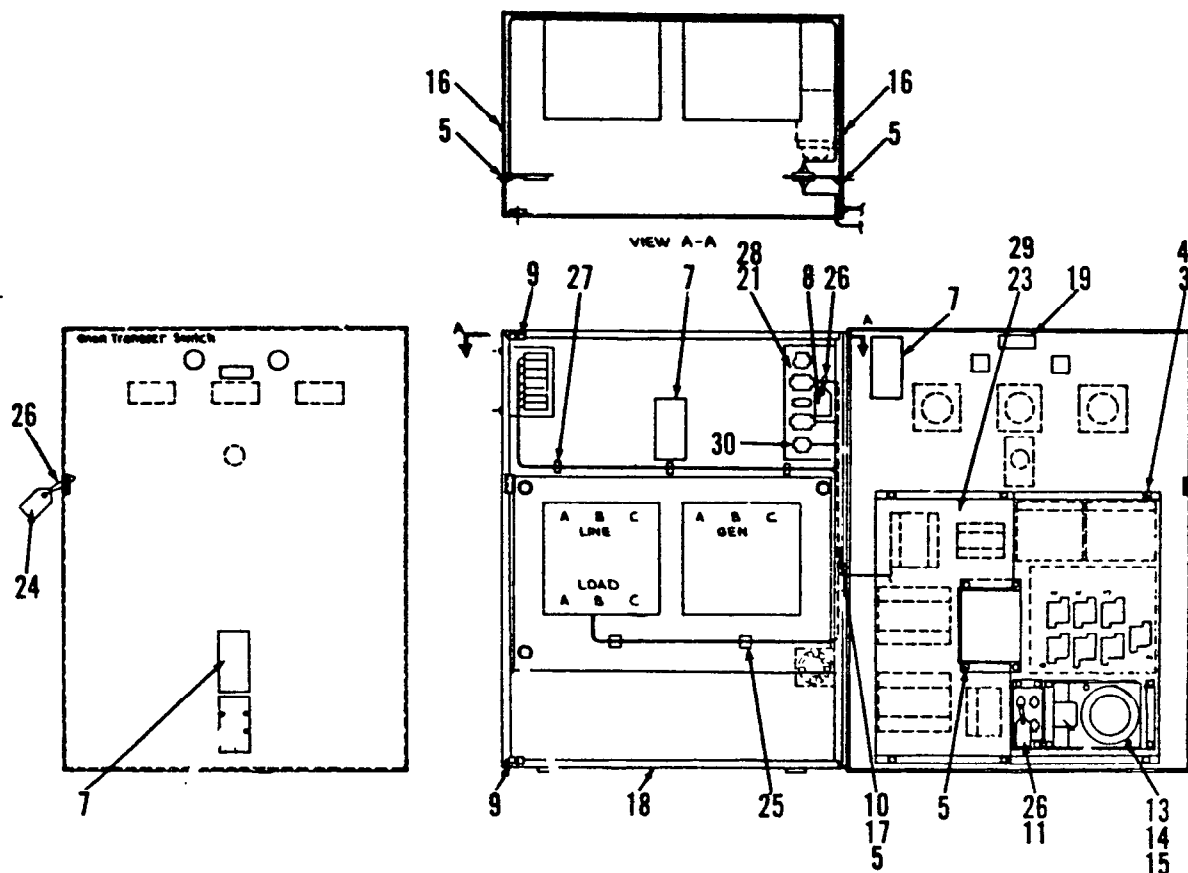
# Control Plate Assembly

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	301-9070	1	Plate, Door	14	332-2791-01	5	Clamp, Locking
2	301-9224	1	Panel, Clock	15	813-0116	1	Screw, Machine - Round Head (#10 - 32 x 6.5")
3	301-9289	1	Bracket, Mounting - Control	16	850-0030	1	Washer, Lock (#10)
4	300-2939	1	Board, Circuit - Printed	17	870-0053	1	Nut, Hex - Machine Screw (#10 - 32)
5			Transformer, Control (T1)	18	821-0004	42	Screw, Lock - Flange (#10 - 32 x .31")
	315-0621-01	1	120 Volt	19	302-1167	1	Meter, Totalizing - Time
	315-0621-03	1	347, 380, 416 Volt	20	308-0802	1	Switch, Toggle
	315-0621-02	1	208, 240, 480 Volt	21	301-9376	1	Panel, Connector
	315-0621-04	1	600 Volt	22	301-9392	1	Bracket, Control
6			Transformer, Control (T2, T3)	23	815-0385	2	Screw, Machine - Round Head (#6 - 32 x .5")
			30 Amp	24	870-0183	2	Nut, Hex - ET (#6 - 32)
	315-0641-02	2	347, 380, 416 Volt	25	332-2774	7	Tie, Cable
	315-0641-01	2	208, 240, 480 Volt	26	813-0111	1	Screw, Machine - Round Head (#10 - 32 x 2")
	315-0641-03	2	600 Volt	27	815-0538	2	Screw, Machine - Round Head (#8 - 32 x .5")
			60 Amp	28	320-0104	1	Limiter, Cranking (3-Wire Start Units Only)
	315-0618-02	2	347, 380, 416 Volt	29	308-0771	1	Switch, Selector (3-Wire Start Units Only)
	315-0618-01	2	208, 240, 480 Volt	30	508-0015	3	Washer, Flat - Insulator (#10) (3-Wire Start Units Only)
	315-0618-03	2	600 Volt	31	304-0775	1	Resistor, Fixed (3-Wire Start Units Only)
			100 And 200 Amp	32	332-2791-02	3	Clamp, Locking
	315-0619-02	2	347, 380, 416 Volt	34	306-3275	1	Cover, Component
	315-0619-01	2	208, 240, 480 Volt	35	98-5434	1	Silkscreen, Panel - Connector
	315-0619-03	2	600 Volt	37	332-2648	1	*Block, Terminal - Sectional
7			Transformer, Control (T4, T5)	38	815-0110	1	*Screw, Machine - Fillister Head (#10 - 32 x .875")
	315-0620-02	2	347, 380, 416 Volt	39	815-0116	1	*Screw, Machine - Fillister Head (#10 - 32 x .5")
	315-0620-01	2	208, 240, 480 Volt				
	315-0620-03	2	600 Volt				
8			Harness, Wiring - Cabinet Main				
	338-1915	1	120 Volt				
	338-1890	1	208, 240, 347, 380, 416, 480 Volt				
	338-1916	1	600 Volt				
9	304-0139	1	Resistor, Fixed				
10	304-0015	2	Washer, Centering				
11	304-0292	1	Insulator, Resistor				
12	813-0112	1	Screw, Machine - Round Head (#10 - 32 x 2.5")				
13	304-0037	1	Resistor, Fixed				

\* Used on Voltage Code 120 Volt Units Only.

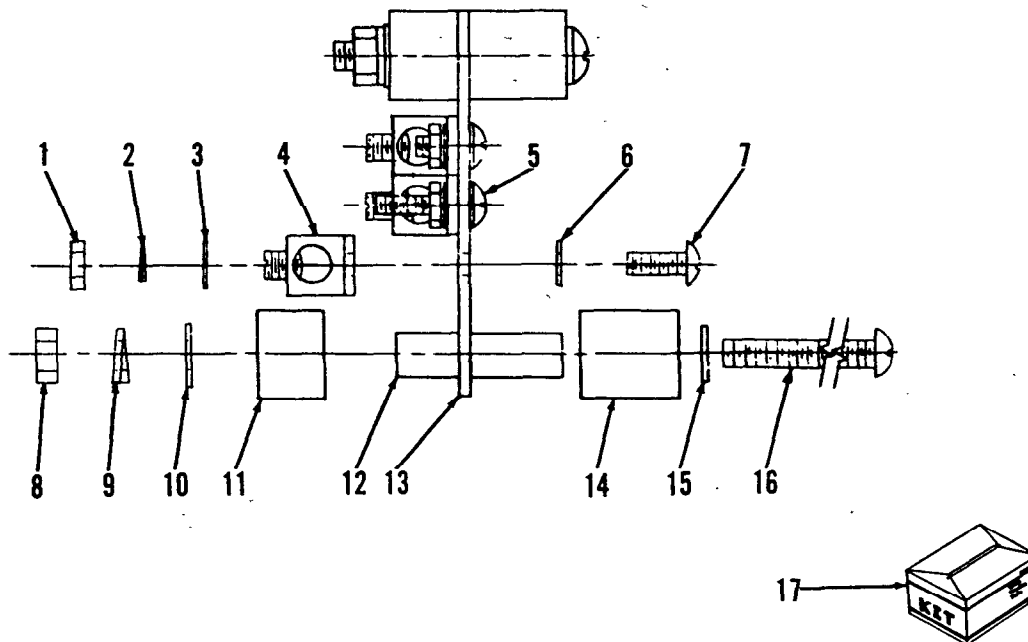


## Hardware & Decals



REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
3	870-0212	11	Nut, Lock (3/8 - 16)	18	301-9072	1	Box, Control
5	821-0005	11	Screw, Self-Locking - Flanged (#10 - 32 x 1/2")	19	98-2472	1	Label, UL
7	98-5387	3	Label, Danger	21	301-9387	1	Bracket, Connector
8	98-5589	1	Tag, Caution	22	301-9378	1	Panel, Block - Terminal
9	518-0439	2	Clip, Receptacle	23	306-3275	1	Cover, Component
10	425-1798	1	Clamp, Cable	24	98-5432	1	Tag, Caution
11	98-5431	1	Tag, Caution	25	332-2420	3	Mount, Tie - Cable
12	850-0020	5	Washer, Lock (#6)	26	332-0942	11	Tie, Cable
13	812-0068	2	Screw, Machine - Round Head (#6 - 32 x 1")	28	98-5435	1	Label, Bracket
14	853-0003	2	Washer, Lock - ET (#6)	29	98-5471	1	Label, Cover
15	332-2686	2	Spacer, Time		98-5540	1	120 Volt
16	332-2790	5	Cap, Base - Snap-In		98-5514	1	347, 380, 416 Volt
17	870-0131	1	Nut, Hex - ET (#10 - 32)		98-5467	1	208, 240, 480 Volt
					98-5467	1	600 Volt
				30	323-1226	1	Plug, Bypass

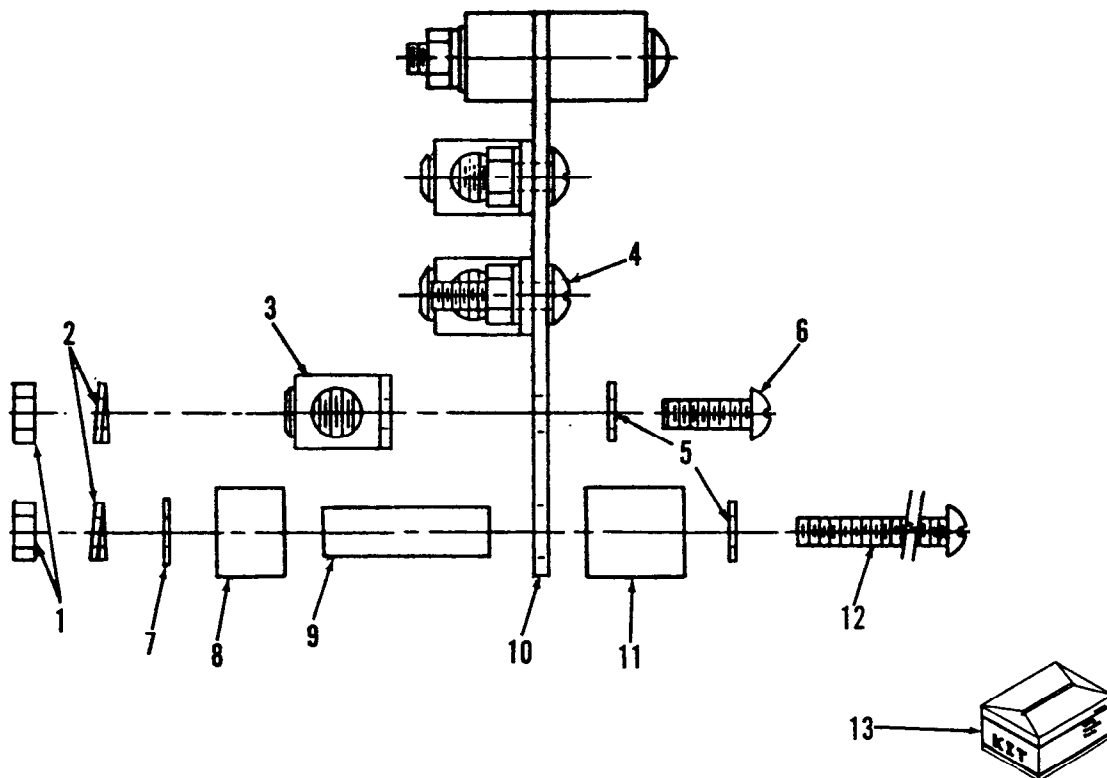
# **Neutral Bar (30 & 60 Amp)**



REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	870-0053	3	*Nut, Hex (#10 - 32)	11	332-1320	2	*Spacer, Bar - Neutral
2	850-0030	3	*Washer, Lock (#10)	12	332-1349	2	*Insulator, Bar - Neutral
3	526-0049	3	*Washer, Flat (#10)	13	332-0773	1	*Connector, Bar - Neutral
4	332-1572	3	*Lug, Solderless	14	332-1348	2	*Spacer, Bar - Neutral
5	813-0103	1	*Screw, Machine - Round Head (#10 - 32 x 3/4")	15	854-0014	2	*Washer, Lock - IT (1/4)
6	854-0010	3	*Washer, Lock - IT (#10)	16	812-0158	2	*Screw, Machine - Round Head (1/4 - 20 x 2")
7	813-0100	2	*Screw, Machine - Round Head (#10 - 32 x 1/2")	17	332-2677	1	Bar Kit, Neutral (Includes Parts Marked *)
8	862-0001	2	*Nut, Hex (1/4 - 20)		98-4963	1	*Label, Torque
9	850-0040	2	*Washer, Lock (1/4)		C232	1	*Instructions
10	526-0052	2	*Washer, Flat (1/4)				

\* Parts Included In 332-2677 Neutral Bar Kit.

# Neutral Bar (100 Amp)

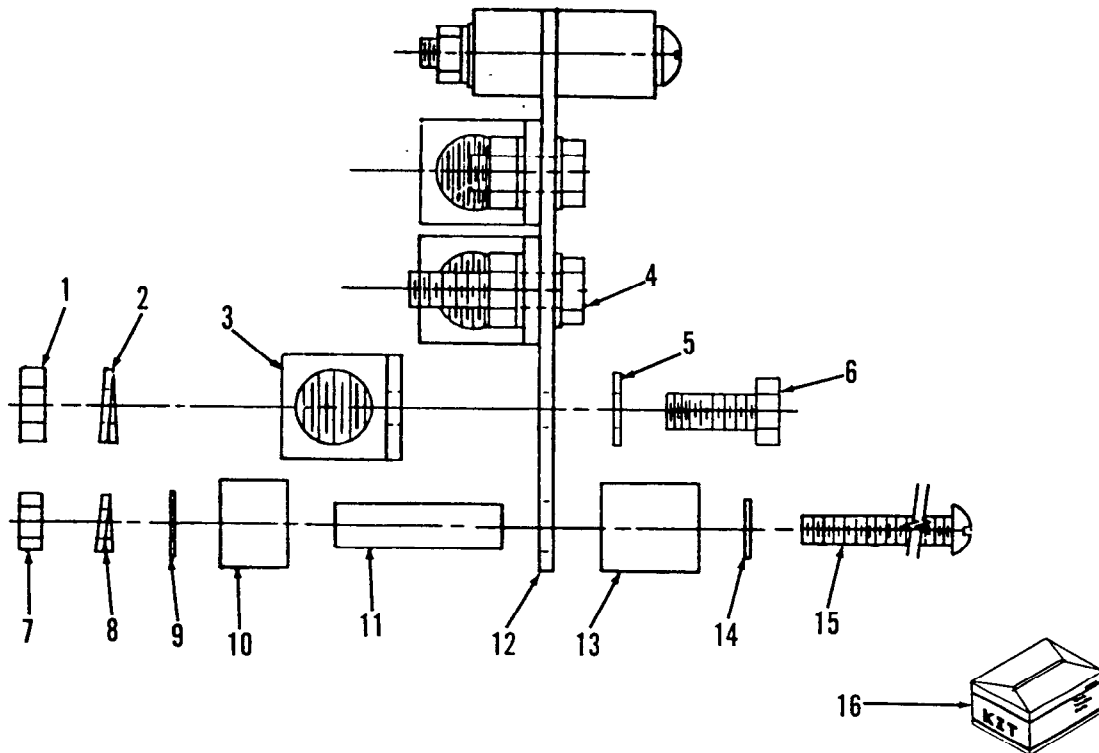


REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	862-0001	5	*Nut, Hex (1/4 - 20)
2	850-0040	5	*Washer, Lock (1/4)
3	332-1573	3	*Lug, Solderless
4	812-0153	1	*Screw, Machine - Round Head (1/4 - 20 x 1")
5	854-0014	5	*Washer, Lock - IT (1/4)
6	812-0151	3	*Screw, Machine - Round Head (1/4 - 20 x 3/4")
7	526-0052	2	*Washer, Flat (1/4)
8	332-1320	2	*Spacer, Bar - Neutral

REF NO.	PART NO.	QTY USED	PART DESCRIPTION
9	332-1349	2	*Insulator, Bar - Neutral
10	332-0772	1	*Connector, Bar - Neutral
11	332-1348	2	*Spacer, Bar - Neutral
12	812-0158	2	*Screw, Machine - Round Head (1/4 - 20 x 2")
13	332-2782	1	Bar Kit, Neutral (Includes Parts Marked *)
	98-5404	1	*Label, Caution
	C232a	1	*Instructions

\* Parts Included In 332-2782 Neutral Bar Kit.

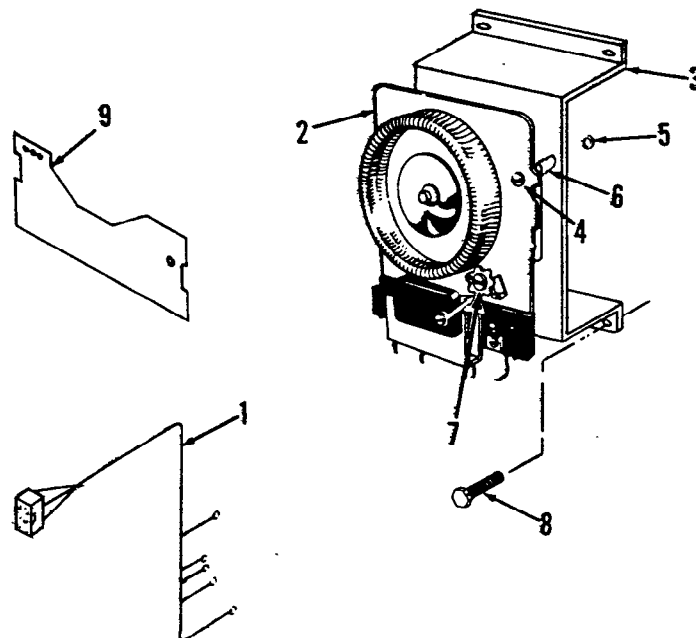
# Neutral Bar (200 Amp)



REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	862-0015	3	*Nut, Hex (5/16 - 18)	11	332-1349	2	*Insulator, Bar - Neutral
2	850-0045	3	*Washer, Lock (5/16)	12	332-0772	1	*Connector, Bar - Neutral
3	332-1480	3	*Lug, Solderless	13	332-1348	2	*Spacer, Bar - Neutral
4	800-0030	1	*Screw, Cap - Hex Head (5/16 - 18 x 1 1/4")	14	854-0014	2	*Washer, Lock - IT (1/4)
5	854-0017	3	*Washer, Lock - IT (5/16)	15	812-0158	2	*Screw, Machine - Round Head (1/4 - 20 x 2")
6	800-0027	2	*Screw, Cap - Hex (5/16 - 18 x 7/8")	16	332-2783	1	Bar Kit, Neutral (Includes Parts Marked *)
7	862-0001	2	*Nut, Hex (1/4 - 20)		98-5405	1	*Label, Caution
8	850-0040	2	*Washer, Lock (1/4)		C232a	1	*Instructions
9	526-0052	2	*Washer, Flat (1/4)				
10	332-1320	2	*Spacer, Bar - Neutral				

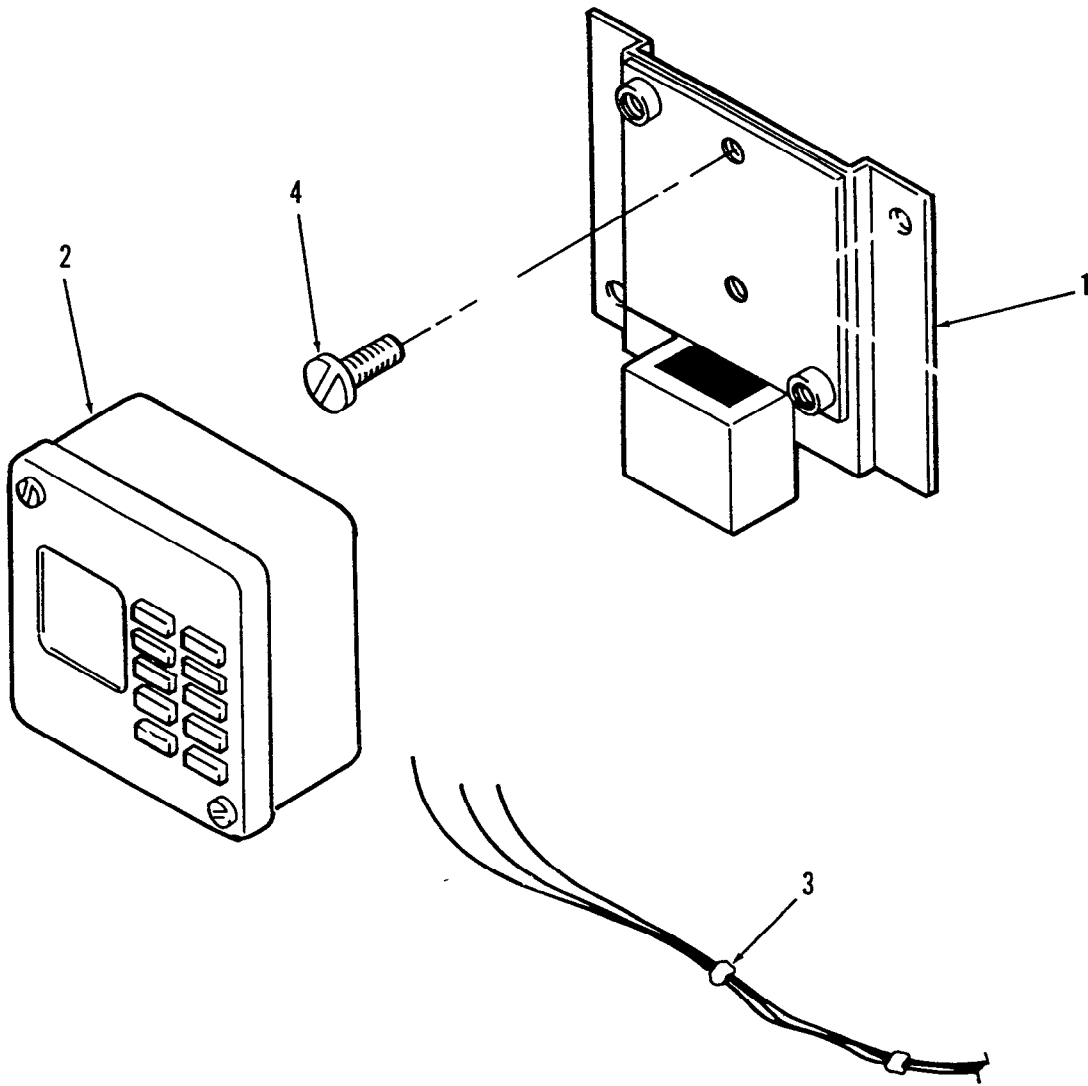
\* Parts Included In 332-2783 Neutral Bar Kit.

# Exerciser Clock



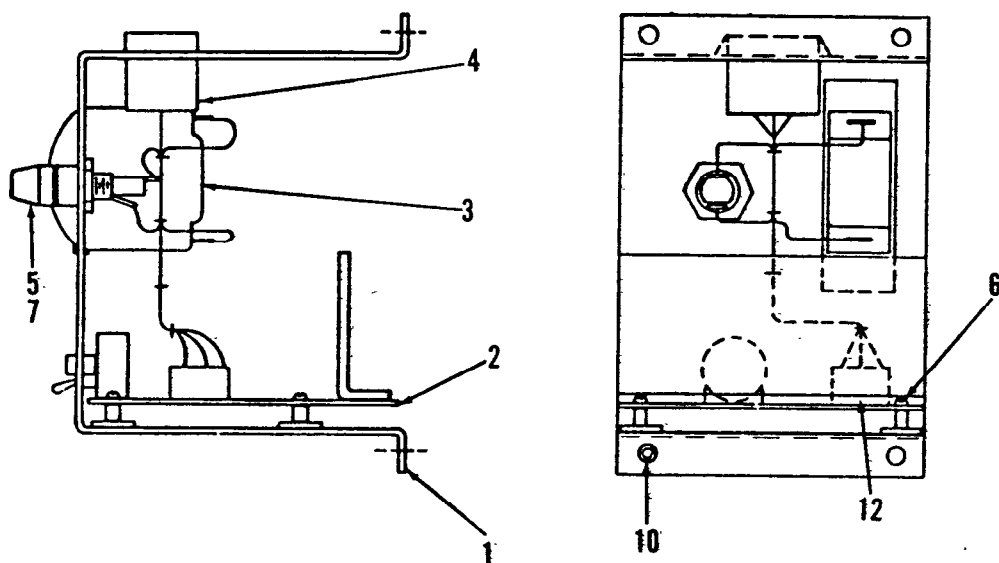
REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	338-1880	1	Harness, Wiring - Clock	5	853-0003	2	Washer, Lock - ET (#6)
2			Switch, Time (Includes Cover And Omitting Screws)	6	332-2686	2	Spacer, Timer
	307-2177	1	60 Hertz	7	307-2396	7	Screw, Omitting
	307-2178	1	50 Hertz	8	821-0005	4	Screw, Self Locking - Flanged (#10 - 32 x 1/2")
3	301-9224	1	Panel, Clock	9	301-9659	1	Cover, Terminal
4	812-0068	2	Screw, Machine - Round Head (#6 - 32 x 1")				

# Exerciser Clock



REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	301-9989	1	Plate, Clock	3	338-2150	1	Harness, Wiring - Clock
2	307-2581	1	Clock, Exerciser - 120 VAC	4	812-0061	2	Screw, Machine - Round Head (#6 - 32 x 3/8")

# Battery Charger



REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	301-9304	1	Bracket, Charger - Battery (Includes Socket Housing)
2	300-2946	1	Board, Circuit - Printed
3	302-0807	1	Meter, Ampere - DC
4	338-1856	1	Harness, Wiring - Battery Charger
5	321-0175	1	Holder, Fuse
6	815-0428	4	Screw, Pan Head - ET (#10 - 32 x 3/8")

REF NO.	PART NO.	QTY USED	PART DESCRIPTION
7	321-0174	1	Fuse, 5 Amp
10	821-0005	4	Screw, Self Locking - Flanged (#10 - 32 x 1/2")
11	98-5407	1	Label, Charger - Battery (Not Shown)
12	323-1261	1	Housing, Socket - 9 Pin (Included With PCB)

### Programmed Transition

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
			*Relay, Delay - Time	870-1183	2		*Nut, Hex - ET (#6 - 32)
307-1627	1		0.500 - 5.000 Sec	332-0942	6		*Tie, Cable
307-1108	1		1.500 - 15.00 Sec				Transition Kit, Programmed
307-1970	1		5.000 - 50.00 Sec				(Includes Parts Marked *)
307-1159	1		1.000 - 300.0 Sec	300-3042	1		0.500 - 5.000 Sec
323-1201	1		*Connector, Plug	300-3043	1		1.500 - 15.00 Sec
323-1208	2		*Relief, Strain	300-3044	1		5.000 - 50.00 Sec
812-0061	2		*Screw, Machine - Round Head	300-3086	1		1.000 - 300.0 Sec
			(#6 - 32 x 3/8")	C241	1		*Instructions

\* Parts Included In Programmed Transition Kit.

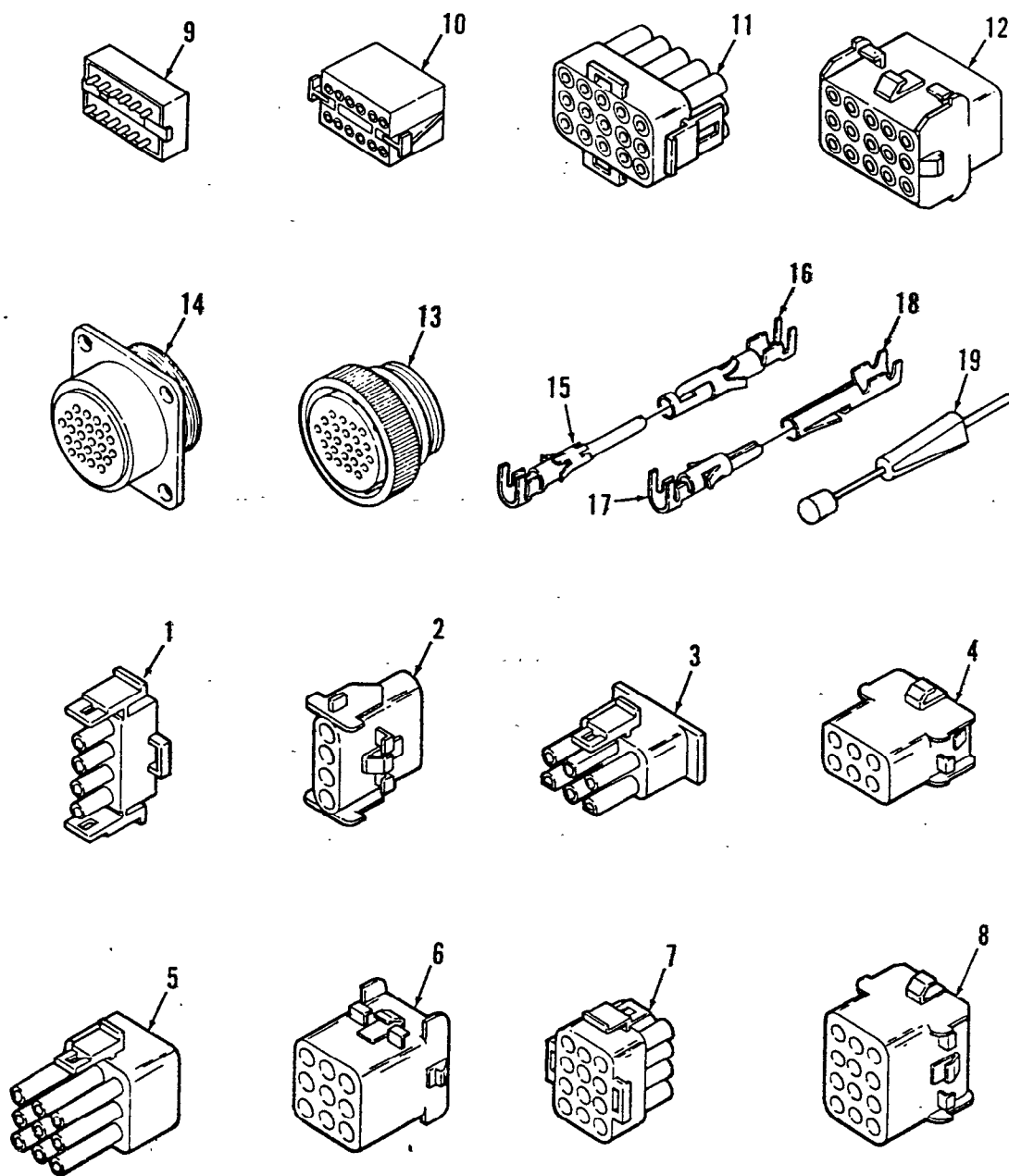
### Preheat Relay

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
301-9497	1		*Bracket, Relay	300-3045	1		Preheat Kit, Relay (Includes
307-1987	2		*Hold-Down, Relay				Parts Marked *)
323-0804	1		*Socket, Relay	812-0063	2		*Screw, Machine - Round Head
307-1914	1		*Relay, Preheat				(#6 - 32 x 1/2")
332-0942	8		*Tie, Cable	853-0003	2		*Washer, Lock - ET (#6)
821-0005	2		*Screw, Self Locking (#10 -	C242	1		*Instructions
			32 x 1/2")				

\* Parts Included In 300-3045 Preheat Relay Kit.



## Pins & Sockets



REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	323-1292	1	Housing, Pin - 4
2	323-1333	1	Housing, Socket - 4
3	323-1317	1	Housing, Pin - 6
4	323-1318	1	Housing, Socket - 6
5	323-1291	1	Housing, Pin - 9
6	323-1325	1	Housing, Socket - 9
7	323-1314	1	Housing, Pin - 12
8	323-1315	1	Housing, Socket - 12
9	323-0983	1	Housing, Pin - 12
10	323-0984	1	Housing, Socket - 12
11	323-1252	1	Housing, Pin - 15
12	323-1253	1	Housing, Socket - 15

REF NO.	PART NO.	QTY USED	PART DESCRIPTION
13	323-1207	1	Housing, Pin - 24
14	323-1206	1	Housing, Socket - 24
15	323-1194	1	Pin, Contact (Used With Circular Housings)
16	323-1195	1	Socket, Contact (Used With Circular Housings)
17	323-1199	1	Pin, Contact (Used With Rectangular Housings)
18	323-1200	1	Socket, Contact (Used With Rectangular Housings)
19	420-0487	1	Tool, Removal - Pin



**Onan**

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